SEE DET. "6A"

BRKT STBD ONLY

SEE DET. "8A" DETAIL - "5B"
SCALE ½" = 1 FT.

SEE DET. "5D" FOR CABIN DK CONN.

SEE DET. "5HK"

FRAMES SEE DET.

SHELL FLG CUT SEE SECT. "4A"

SECT - "4A"

2 - ERECTION HOLES

HATCH END BEAM SEE REF. #3

"60"

3" FLG

18" x 24" BRKT. FOR TABLE OF BRKTS

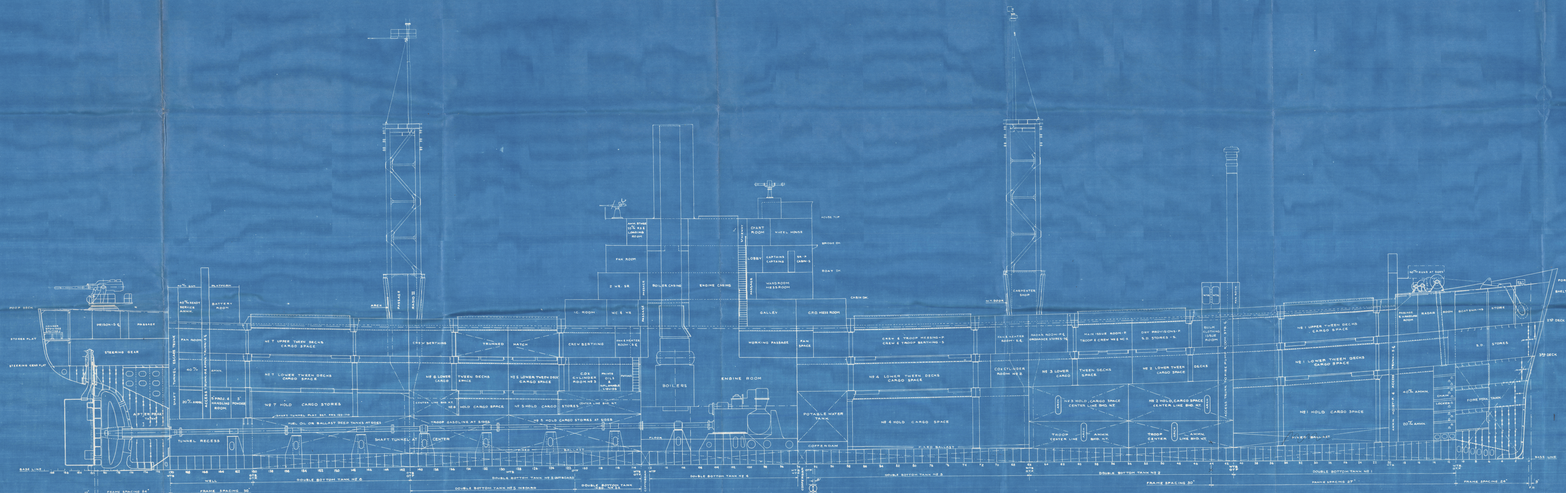
12" x 3½" x 30.9" C

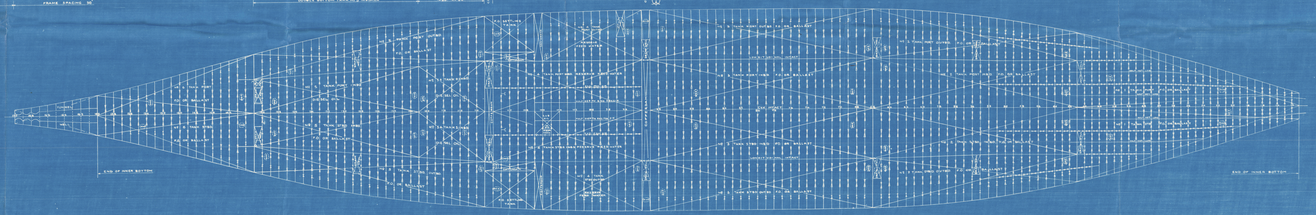
HOLE WHERE SHOWN ON REF. #16 AS INDICATED

AS INDICATED

CUT E FLG BACK 3½"

FLOOR

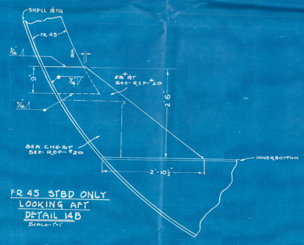




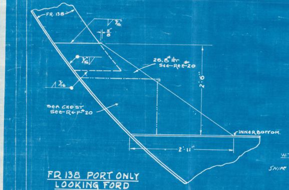
NOTES

ITEM	QUANTITY	UNIT	U.S. DATUM	APPD.	DATE
1	ADDED BOTTOM PLATING AT AFTER END OF ENGINE ROOM AS SHOWN ON PLAN				
2	ADDED BOTTOM PLATING AT FORWARD END OF ENGINE ROOM AS SHOWN ON PLAN				

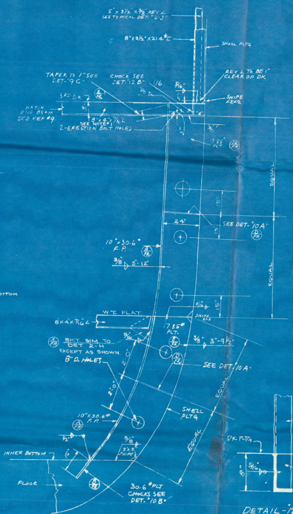
1	1/2		1	3/4	
1	1/4		1	1/2	
1			1	1/4	
1	3/4		1		


SHELL PLTG
FR.45
25.8# PLT
SEE REF #20
2'-6"
SEA CHEST
SEE REF #20
2'-10½"
INNERBOTTOM

FR.45 STBD ONLY
LOOKING AFT
DETAIL 14B
SCALE 1"=1'


FR.138
26.8# PLT
SEE REF #20
2'-6"
SEA CHEST
SEE REF #20
2'-11"
INNERBOTTOM

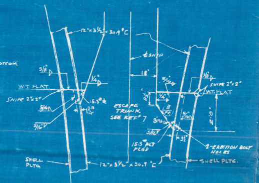
FR 138 PORT ONLY
LOOKING FORD
DETAIL 14A
SCALE 1"=1 FT.


5"x3½"x⅜" REV. L
SEE TYPICAL DET. "2-3"
8"x3½"x21.4#C
SHELL PLTG
TAPER TO 1" SEE DET. "9C"
CHOCK SEE DET. "12 B"
REV. L TO BE 1" CLEAR OF DK
SNIPE 2x2
3RD DK
HATCH END BEAM SEE REF #9
SEE NOTE 1
2-ERECTION BOLT HOLES
24"
SEE DET. "10A"
10"x30.6# F.P.
⅜" - 3'-12"
EQUAL
W.T. FLAT
6"x4"x7/16" L
17.85# PLT.
BKT. SIM. TO DET. 2-H EXCEPT AS SHOWN.
8" D. HOLES
SEE DET. 10A
SHELL PLTG
INNER BOTTOM
FLOOR
30.6# PLT CHOCKS SEE DET. "10 B"

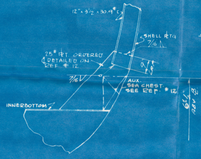
WEB FRAME - 60
LOOKING FORD.
SCALE ½" = 1FT.

C
DK. PLTG.
20.4# PLT. CHOCK

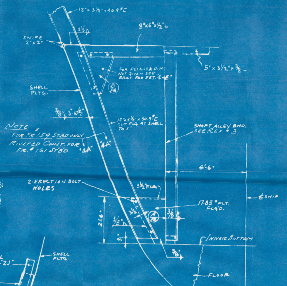
DETAIL - "12B"
SCALE 1½" = 1FT.


12"x3½"x30.9# C
℄ SHIP
W.T. FLAT
SNIPE 2"x2"
ESCAPE TRUNK SEE REF 7
W.T. FLAT
15.3# PLT FLGD
2-ERECTION BOLT HOLES
SHELL PLTG
12"x3½"x30.9# C
SHELL PLTG.

DETAIL - "13 A"
SCALE ½" = 1FT.


12"x3½"x30.9# C
SHELL PLTG
25# PLT. ORDERED DETAILED ON REF. #12
AUX. SEA CHEST SEE REF. #12
INNERBOTTOM
6'-1"

FR. 105 - PORT ONLY
LOOKING AFT.
DETAIL 12-C
SCALE ½" = 1'-0"

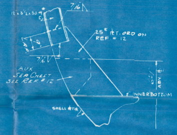

12"x3½"x30.9# C
8"x6"x½" L
SNIPE 2"x2"
5"x3½"x⅜" L
SHELL PLTG.
SHAFT ALLEY BHD. SEE REF #3
2-ERECTION BOLT HOLES
4'-6"
17.85# PLT. FLGD.
℄ SHIP
INNER BOTTOM
FLOOR

NOTE: FOR FR 159 STBD ONLY R-EVERSED CONST. FOR FR.#161 STBD

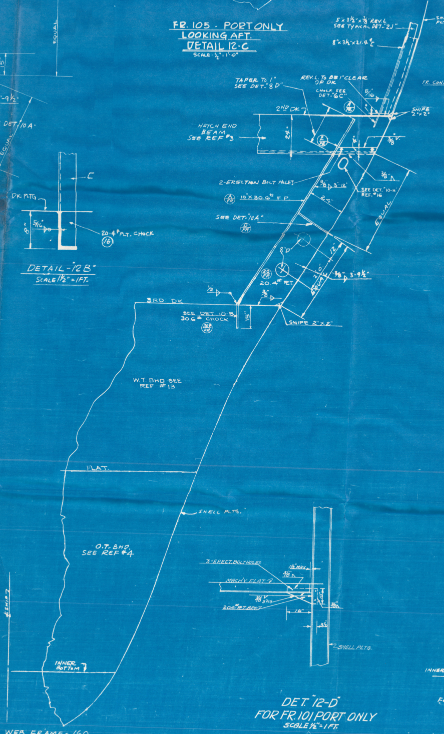
DETAIL - "11A"
SCALE ½" = 1FT.

FR. CONT. THRU FLAT
4-ERECTION BOLT HOLES
MACH'Y FLAT
8"x4"x½" INGL
FLG. FORD
DIMENSIONS & DETAILS OF BKT. SIM. TO DET. "9-A" EXCEPT AS SHOWN.
12"x3½"x30.9# C
SHELL PLTG.

DETAIL "11-B"
SCALE ½" = 1FT.

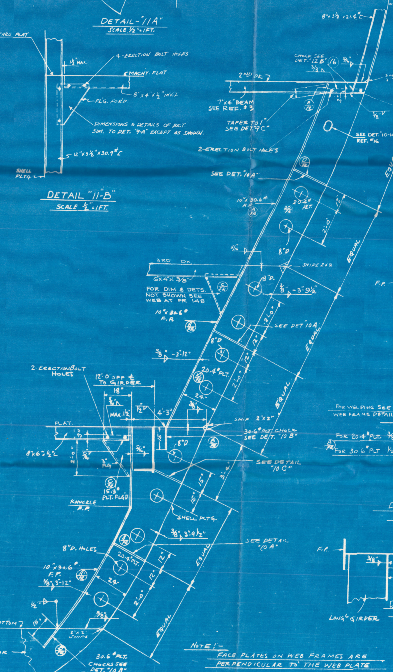

7/16
25# PLT. ORD ON REF. #12
AUX SEA CHEST SEE REF. #12
INNERBOTTOM
SHELL PLTG

FR. 95 - STBD. ONLY
LOOKING AFT.
DETAIL 10-G
SCALE ½" = 1'-0"


5"x3½"x⅜" REV. L
SEE TYPICAL DET. "2-1"
SHELL PLTG
8"x3½"x21.4#C
TAPER TO 1" SEE DET. "8 D"
REV. L TO BE 1" CLEAR OF DK
CHOCK SEE DET. "6C"
SNIPE 2"x2"
2ND DK
HATCH END BEAM SEE REF #3
2-ERECTION BOLT HOLES
10"x30.6# F.P.
SEE DET. "10A"
SEE DET. "10-H" REF. #16
20.4# PLT.
⅜" - 3'-9½"
EQUAL
3RD DK
SEE DET. 10 B 30.6# CHOCK
SNIPE 2"x2"
W.T. BHD. SEE REF #13
FLAT
SHELL PLTG.
O.T. BHD. SEE REF #4
℄ SHIP
INNER BOTTOM
3-ERECT. BOLT HOLES
MACH'Y FLAT
20.4# PLT. BRKT.
SHELL PLTG.

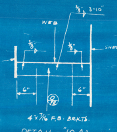
WEB FRAME - 160
LOOKING AFT
SCALE ½" = 1FT.

DET. "12-D"
FOR FR. 101 PORT ONLY
SCALE ½" = 1FT.

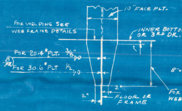

8"x3½"x21.4#C
SHELL PLTG
CHOCK SEE DET. "12 B"
2ND DK
SNIPE 2x2
7"x4" BEAM SEE REF. #3
TAPER TO 1" SEE DET. "9C"
SEE DET. "10-H" REF. #16
2-ERECTION BOLT HOLES
SEE DET. "10A"
10"x30.6# F.P.
20.4# PLT.
2'-0"
8"D
EQUAL
3RD DK
6"x4"x⅜"
FOR DIM & DETS. NOT SHOWN SEE WEB AT FR. 148
10"x30.6# F.P.
SNIPE 2x2
⅜" - 3'-9½"
SEE DET. 10A
⅜" - 3'-12"
2-ERECTION BOLT HOLES
12'-0" OFF ℄ TO GIRDER
PLAT.
8"x6"x½" L
SNIP 2"x2"
30.6# PLT CHOCK SEE DET. "10 B"
SEE DETAIL "10 C"
15.3# PLT. FLGD
KNUCKLE F.P.
SHELL PLTG.
8" D. HOLES
⅜" 3'-4½"
SEE DETAIL "10 A"
10"x30.6# F.P.
⅜" 3'-12"
INNER BOTTOM
FLOOR
30.6# PLT. CHOCKS SEE DET. "10 B"
EQUAL

NOTE :- FACE PLATES ON WEB FRAMES ARE PERPENDICULAR TO THE WEB PLATE

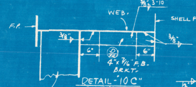
WEB FRAME - 154
LOOKING AFT.
SCALE ½" = 1FT.


⅜"-3'-10"
WEB
F.P.
6"
6"
4"x7/16" F.B. BRKTS.

DETAIL - "10 A"
SCALE 1" = 1FT.


10" FACE PLT.
INNER BOTTOM OR 3RD DK.
FOR WELDING SEE WEB FRAME DETAILS
FOR 20.4# PLT.
FOR 30.6# PLT
FLOOR OR FRAME

DETAIL - "10B"
SCALE 1" = 1FT.


WEB
⅜"-3'-10"
SHELL
F.P.
6"
6"
4"x7/16" F.B. BRKT.
LONG'L GIRDER

DETAIL - "10 C"
SCALE 1" = 1FT.

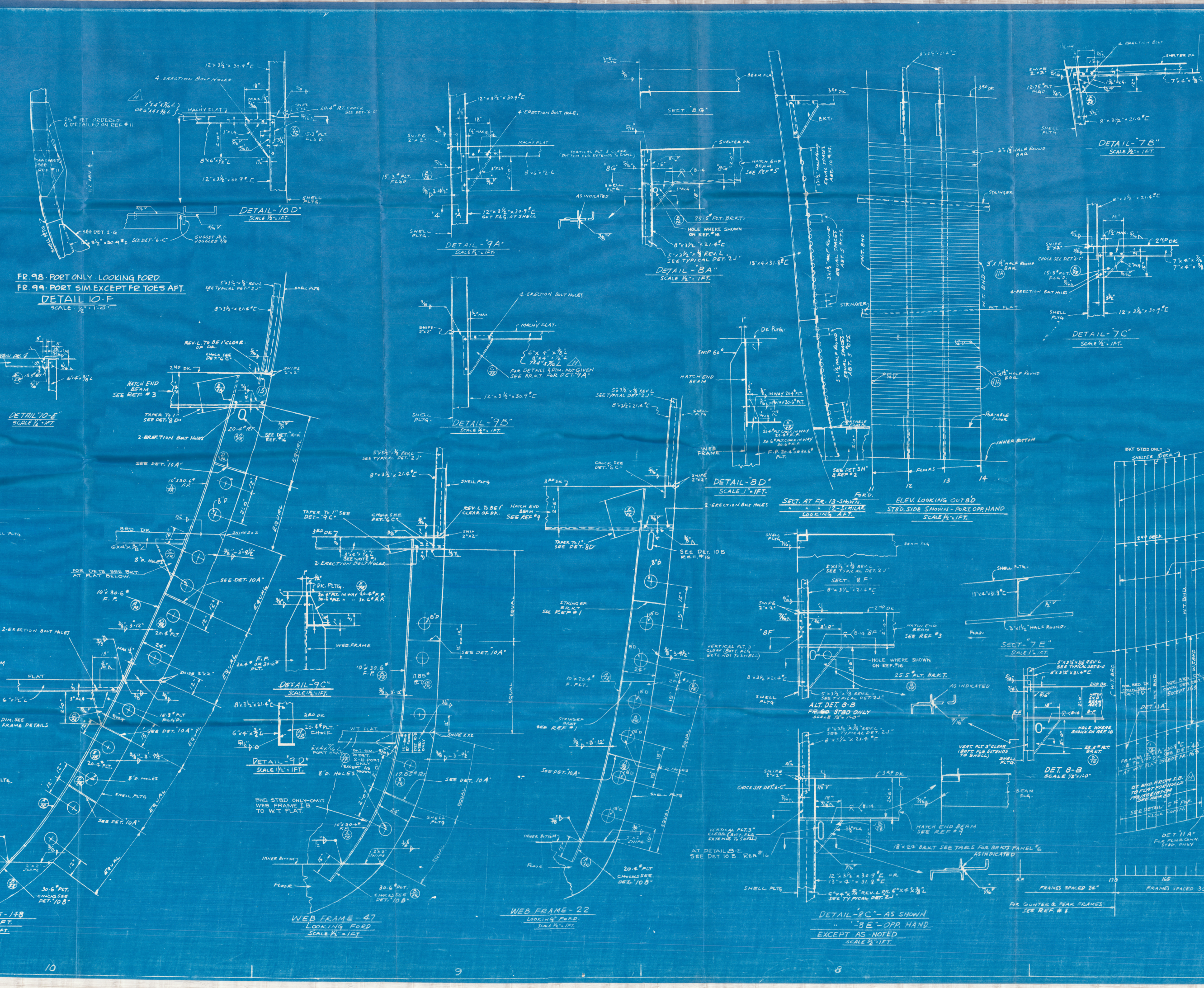
INNER BOTTOM
FLOOR

WEB FRAME
LOOKING A
SCALE ½" = 1

13

12

11



DETAIL-"10D"
SCALE ½"=1FT.

DETAIL-"9A"
SCALE ½"=1FT.

SECT. "8G"

DETAIL-"8A"
SCALE ½"=1FT.

SECT. AT FR. 13-SHOWN
" " " 12-SIMILAR
LOOKING AFT.

ELEV. LOOKING OUTB'D
STB'D. SIDE SHOWN - PORT. OPP. HAND
SCALE ½"=1FT.

DETAIL-"7B"
SCALE ½"=1FT.

DETAIL-"7C"
SCALE ½"=1FT.

FR. 98 - PORT ONLY LOOKING FORD.
FR. 99 - PORT SIM. EXCEPT FR. TOES AFT.
DETAIL 10-F
SCALE ½"=1'-0"

DETAIL-"10-E"
SCALE ½"=1FT.

DETAIL-"9B"
SCALE ½"=1FT.

DETAIL-"8D"
SCALE 1"=1FT.

DETAIL-"9C"
SCALE 1½"=1FT.

DETAIL-"9D"
SCALE 1½"=1FT.

WEB FRAME - 47
LOOKING FORD
SCALE ½"=1FT

WEB FRAME - 22
LOOKING FORD.
SCALE ½"=1FT.

SECT.-"8F"

ALT. DET. 8-B
FR. 50 STBD ONLY
SCALE ½"=1'-0"

SECT-"7E"
SCALE 1½"=1FT.

DET. 8-B
SCALE ½"=1'-0"

DETAIL-"8C"-AS SHOWN
" -"8E"-OPP. HAND
EXCEPT AS NOTED
SCALE ½"=1FT.

4-ERECTION BOLT HOLES
12"×3½"×30.9#C
20.4# PLT. CHOCK SEE DET.-"6-C"
MACH'Y FLAT
SNIPE 2"×2"
25# PLT. ORDERED & DETAILED ON REF. #11
SEE DET. 2-G
SEE DET.-"6-C"
GUSSET PLT. JOGGLED 5/8
15.3# PLT.
8"×6"×½"L
12"×3½"×30.9#C CUT FLG. AT SHELL
SHELL PLTG.
SHELTER DK.
HATCH END BEAM SEE REF. #5
VERTICAL PLT. 3" CLEAR (BOTTOM FLG. EXTENDS TO SHELL)
AS INDICATED
25.5# PLT. BRKT.
HOLE WHERE SHOWN ON REF. #16
5"×3½"×⅜" REV. L SEE TYPICAL DET. "2J"
13"×4"×31.8#C
BEAM FLG.
3RD DK.
BKT.
STRINGER
W.T. BHD.
W.T. FLAT
3"×1⅝" HALF ROUND BAR
PORTABLE FLOOR
INNER BOTTOM
FLOORS
11
12
13
14
FOR'D.
2ND DK
4-ERECTION BOLT HOLES
8"×3½"×21.4#C
12"×3½"×30.9#C
SHELTER DK.
7"×4"×⅜"L
REV. L. TO BE 1" CLEAR OF DK.
CHOCK SEE DET. "6-C"
HATCH END BEAM SEE REF. #3
TAPER TO 1" SEE DET. "8D"
2-ERECTION BOLT HOLES
20.4# PLT.
SEE DET. "10-H" REF. #16
SEE DET. "10A"
10"×30.6# F.P.
FOR DETS SEE BKT. AT FLAT BELOW
8"D. HOLES
SEE DET. 10A
FLAT
15.3# PLT. FLG'D.
SNIPE 2"×2"
EQUAL
DIM. SEE FRAME DETAILS
20.4# F.P. OR 30.6# PLT.
30.6# PLT. CHOCKS SEE DET. "10B"
INNER BOTTOM
FLOOR
6"×4"×⅜"L
FOR DETAILS & DIM. NOT GIVEN SEE BRKT. FOR DET. "9A"
DK. PLTG.
WEB FRAME
CHOCK
W.T. FLAT
BHD. STBD ONLY-OMIT WEB FRAME I.B. TO W.T. FLAT.
17.85# PLT.
STRINGER BRKT. SEE REF. #1
SEE DET. 10B REF. #16
10"×20.4# F. PLT.
20.4# PLT. CHOCKS SEE DET. "10B"
2-ERECTION BOLT HOLES
F.P. 20.4# OR 30.6# PLT.
SEE DET. "3H" & REF. #2
HOLE WHERE SHOWN ON REF. #16
HATCH END BEAM SEE REF. #9
18"×24" BRKT SEE TABLE FOR BRKTS PANEL #6
AT DETAIL 8-E SEE DET 10 B REF. #16
CHOCK SEE DET. "6-C"
6"×4"×⅜" REV. L OR 6"×4"×⅜"L SEE TYPICAL DET. "2J"
12"×3½"×30.9#C OR 13"×4"×31.8#C
13"×4"×31.8#C
3"×1⅝" HALF ROUND
SHELL PLTG.
BKT STBD ONLY
2ND DECK
FRAMES SPACED 26"
FRAMES SPACED 30"
FOR GUNTER & PEAK FRAMES SEE REF. #8
DET. "11A"
170
165

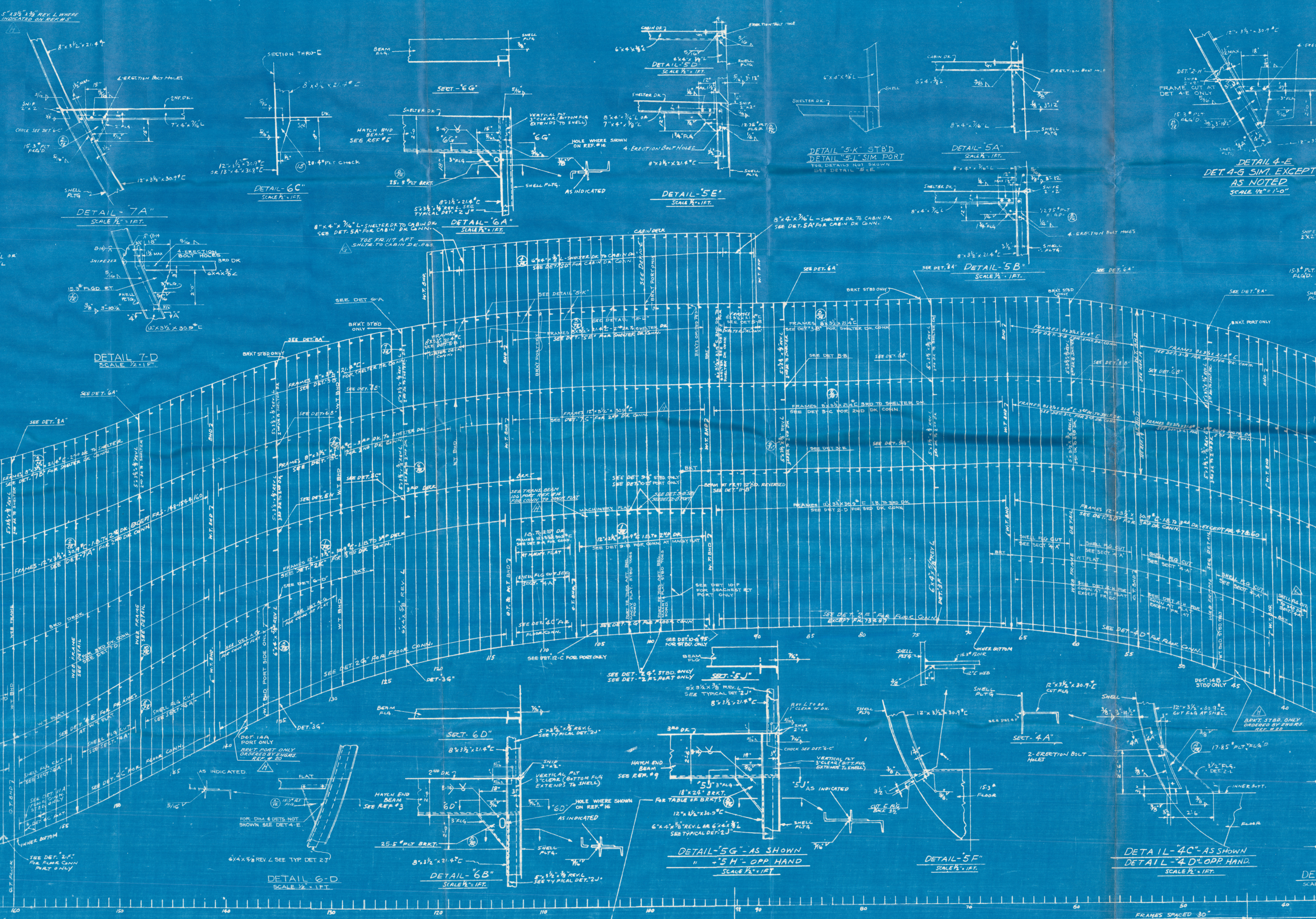
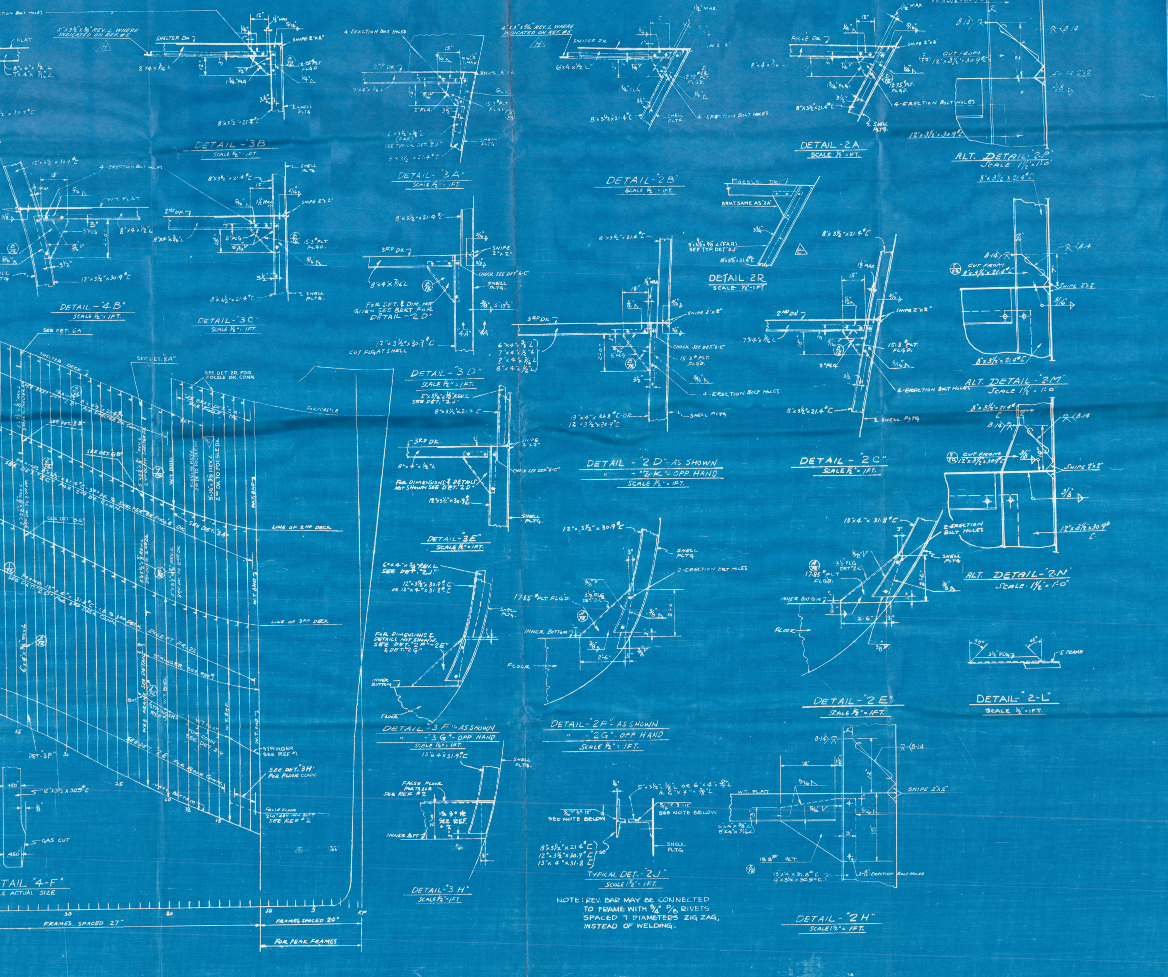

5"x3½"x⅜" REV. L WHERE INDICATED ON REF.#5
DETAIL-"7A"
SCALE ½"=1FT.
12"x3½"x30.9#C
15.3# PLT FLG'D
4-ERECTION BOLT HOLES
SECTION THRU-E
DETAIL-"6C"
SCALE ½"=1FT.
20.4# PLT CHOCK
SECT.-"6G"
SHELTER DK.
HATCH END BEAM SEE REF#5
VERTICAL PLT 3" CLEAR (BOTTOM FLG EXTENDS TO SHELL)
HOLE WHERE SHOWN ON REF.#16
25.5# PLT BRKT.
AS INDICATED
SHELL PLTG.
DETAIL-"6A"
SCALE ½"=1FT.
8"x4"x7/16" L-SHELTER DK TO CABIN DK SEE DET-5A FOR CABIN DK CONN.
TOE FR.117 AFT SHLTR. TO CABIN DK. BRKTS.
CABIN DK.
DETAIL-"5D"
SCALE ½"=1FT.
4-ERECTION BOLT HOLES
DETAIL-"5E"
SCALE ½"=1FT.
DETAIL "5-K" STB'D
DETAIL "5-L" SIM. PORT
FOR DETAILS NOT SHOWN SEE DETAIL "5-E"
DETAIL-"5A"
SCALE ½"=1FT.
DETAIL-"5B"
SCALE ½"=1FT.
8"x4"x7/16" L-SHELTER DK. TO CABIN DK. SEE DET-5A FOR CABIN DK. CONN.
DETAIL 4-E
DET. 4-G SIM. EXCEPT AS NOTED
SCALE ½"=1'-0"
FRAME CUT AT DET 4-E ONLY
DETAIL 7-D
SCALE ½"=1FT.
CABIN DECK
SHELTER DK.
MACHINERY FLAT
3RD DECK
2ND DK.
W.T. BHD
WEB FRAME
INNER BOTTOM
FRAMES 8"x3½"x21.4#C
FRAMES 12"x3½"x30.9#C
SEE DET. "6A"
SEE DET. "8A"
SEE DET. "6B"
SEE DET. "7B"
SEE DET. "6D"
SEE DET. "2F" FOR FLOOR CONN.
SEE DET. "2G" FOR FLOOR CONN.
SEE DET. "4C" FOR FLOOR CONN.
SEE DET. "4D" FOR FLOOR CONN.
SEE DET. "2E" FOR FLOOR CONN. EXCEPT FR. 73 & 87
SHELL FLG. CUT SEE SECT. "4A"
BRKT. STBD ONLY
BRKT. PORT ONLY
DET. 14A PORT ONLY
BRKT. PORT ONLY ORDERED BY ENGRS. REF. # 20
DET. 14B STBD ONLY
BRKT. STBD. ONLY ORDERED BY ENGRS. REF. # 20
SEE DET. "2 F" FOR FLOOR CONN PORT ONLY
FOR DIM & DETS NOT SHOWN SEE DET 4-E
6"x4"x⅝" REV. L SEE TYP DET 2J
DETAIL 6-D
SCALE ½"=1FT.
SECT. 6D"
HATCH END BEAM SEE REF #3
DETAIL-"6B"
SCALE ½"=1FT.
5"x3½"x⅜" REV. L SEE TYPICAL DET. "2J"
SECT.-"5J"
HATCH END BEAM SEE REF #9
FOR TABLE OF BRKTS
12"x3½"x30.9#C
18"x24" BRKT.
DETAIL-"5G"-AS SHOWN
" -"5H"-OPP. HAND
SCALE ½"=1FT
DETAIL-"5F"
SCALE ½"=1FT.
15.3# FLOOR
SECT.-"4A"
2-ERECTION BOLT HOLES
DETAIL-"4C"-AS SHOWN
DETAIL-"4D"-OPP. HAND.
SCALE ½"=1FT.
17.85# PLT FLG'D
INNER BOTT.
FLOOR
160
150
140
130
120
110
100
90
80
70
60
50
40
FRAMES SPACED 30"

TABLE FOR BRKT PLT'S.

3RD DECK	FR 34	23.0# PLT.
3RD DECK	FRS 73	25.5# PLT.
3RD DECK	FR 123	25.5# PLT.
3RD DECK	FR 135	25.5# PLT.


4-ERECTION BOLT HOLES
5"x3½"x⅜" REV. L WHERE INDICATED ON REF. #5
FLAT
8"x6"x½" L
7"x4"x7/16" L
12"x3½"x30.9# C
SHELTER DK
8"x4"x7/16" L
12"
1½" MAX
5/16"
SNIPE 2"x2"
12.75# PLT FLG'D
1¾" FLG
3½"
SHELL PLTG
8"x3½"x21.4# C
DETAIL - "3B"
SCALE ½" = 1 FT.
2ND DK
7"x4"x7/16" L
15"
15.3# PLT FLG'D
2" FLG.
5"x3½"x⅜" L (FAR) SEE TYPICAL DET. "2J"
8"x3½"x21.4# C
DETAIL - "3A"
SCALE ½" = 1 FT.
4"x3"x5/16" REV. L WHERE INDICATED ON REF. #5
SHELTER DK.
6"x4"x½" L
12.75# PLT. FLG'D.
DETAIL - "2B"
SCALE ½" = 1 FT.
FOCSLE DK
8"x4"x7/16" L
4-ERECTION BOLT HOLES
DETAIL - 2A
SCALE ½" = 1 FT.
12"x3½"x30.9# C
B-14
CUT FROM 12"x3½"x30.9# C
SNIPE 2"x2"
ALT. DETAIL "2-P"
SCALE 1½" = 1'-0"
W.T. FLAT
18"
3" FLG
2'-0"
8"x4"x½" L
DETAIL - "4B"
SCALE ½" = 1 FT.
DETAIL - "3C"
SCALE ½" = 1 FT.
3RD DK.
CHOCK SEE DET. "6-C"
FOR DET. & DIM. NOT GIVEN SEE BRKT. FOR DETAIL - "2D"
12"x3½"x30.9# C
CUT FLG AT SHELL
"4A"
3'-10½"
FOCSLE DK.
BRKT. SAME AS "2A"
5"x3½"x⅜ L (FAR) SEE TYP. DET. "2J"
8"x3½"x21.4# C
DETAIL 2R
SCALE ½" - 1 FT
6"x4"x⅜" L
7"x4"x½" L
8"x4"x7/16" L
8"x4"x½" L
13"x4"x31.8# C - OR 12"x3½"x30.9# C
8"x3½"x21.4# C
CUT FROM 8"x3½"x21.4# C
ALT. DETAIL "2-M"
SCALE 1½" = 1'-0"
SEE DET. 6A
SHELTER DECK
SEE DET. "8A"
SEE DET 2R FOR FOCSLE DK. CONN.
SEE BRKT. DET. "2A" FOR FOCSLE DK
FORECASTLE
FRAMES 8"x3½"x21.4# C FOR SHELTER DK CONN.
SEE BRKT. DET. "2B"
SEE DET. "8B"
SEE DET. "6B"
FRAMES 8"x3½"x21.4# C - 3RD DK TO SHELTER OR FOC'LE DK
SEE DET. "2C" FOR 2ND DK. CONN.
SEE DET. "3A"
SEE DET. "3-E"
5"x3½"x⅜" REV. L 2ND DK TO SHELTER DK
5"x3½"x⅜" REV. L 2ND DK TO FOCSLE DK.
5"x3½"x⅜" REV. L 3RD DK. TO 2ND DK.
W.T. BHD.
LINE OF 2ND DECK
LINE OF 3RD DECK
FRAMES 13"x4"x31.8# C - I.B. TO 3RD DECK EXCEPT FR. 22
SEE DET. "2D" FOR 3RD DECK CONN.
6"x4"x⅝" REV. L
STRINGER SEE REF. #1
WEB FRAME SEE DETAIL
BKT
W.T. FLAT
FOR CONN. SEE DET. 2H
SEE DET. "2E" FOR FLOOR CONN.
INNER BOTTOM
DET. "3F"
STRINGER SEE REF. #1
SEE DET. "3H" FOR FLOOR CONN.
FALSE FLOOR 2'-0" ABV INN BOTT SEE REF. #2
.450"
12"x3½"x30.9# C
⅛"
GAS CUT
TAIL "4-F"
LE ACTUAL SIZE
35
30
25
20
18
15
10
5
F.P.
FRAMES SPACED 27"
FRAMES SPACED 24"
FOR PEAK FRAMES
DETAIL - "3D"
SCALE ½" = 1 FT.
5"x3½"x⅜" REV. L SEE DET. "2J"
8"x3½"x21.4 C
3RD DK.
8"x4"x½" L
SNIPE 2"x2"
FOR DIMENSIONS & DETAILS NOT SHOWN SEE DET. "2D"
12"x3½"x30.9# C
SHELL PLTG.
DETAIL - "3E"
SCALE ½" = 1 FT.
6"x4"x⅝" REV. L SEE DET. "2J"
12"x3½"x30.9# C or 13"x4"x31.8# C
FOR DIMENSIONS & DETAILS NOT SHOWN SEE DET. "2F" - "2E" & DET. "2G"
INNER BOTTOM
FLOOR
DETAIL - "3F" - AS SHOWN
" - "3G" - OPP HAND
SCALE ½" = 1 FT.
13"x4"x31.9# C
FALSE FLOOR PORTABLE SEE REF #2
15.3# PL SEE REF. #2
INNER BOTT
DETAIL - "3H"
SCALE ½" = 1 FT
DETAIL - "2D" - AS SHOWN
" - "2K" - OPP. HAND
SCALE ½" = 1 FT.
12"x3½"x30.9# C
2-ERECTION BOLT HOLES
17.85# PLT. FLG'D.
3½" FLG DET. "2-L"
2'-6"
DETAIL - "2F" - AS SHOWN
" - "2G" - OPP. HAND
SCALE ½" = 1 FT.
5"x3½"x⅜" L OR 6"x4"x⅜" L & 6"x4"x⅜" L
SEE NOTE BELOW
8"x3½"x21.4# C
12"x3½"x30.9# C
13"x4"x31.8 C
OR
TYPICAL DET. - "2J"
SCALE 1½" = 1 FT.
DETAIL - "2C"
SCALE ½" = 1 FT.
13"x4"x31.8# C
17.85# PLT FLG'D.
ALT. DETAIL - "2-N"
SCALE 1½" = 1'-0"
45°
3½" FLG
C FRAME
DETAIL - "2E"
SCALE ½" = 1 FT.
DETAIL - "2-L"
SCALE ½" = 1 FT.
W.T. FLAT
6"x4"x⅜" L
8"x4"x7/16" L
15.3# PLT
13"x4"x31.8# C
12"x3½"x30.9# C
2-1⅛" - ERECTION BOLT HOLES
DETAIL - "2H"
SCALE 1½" = 1 FT.

NOTE: REV. BAR MAY BE CONNECTED TO FRAME WITH ¾" P/B RIVETS SPACED 7 DIAMETERS ZIG ZAG, INSTEAD OF WELDING.

MARK	PANEL NO.	ALTERATIONS	DATE	O.K.	AUTH'D	APP'D	DATE
A		PLAN MODIFIED IN GENERAL			D		
B	GENERAL	PLAN ALTERED IN GENERAL: N.C. PLAN NO.S AND MATERIAL GROUP NO.S ADDED TO SUIT YARD PRACTICE	F.H.R. 2/24/44	[illegible]	2/25/4		
C	14	DETAILS 14A & 14B ADDED TO SUIT REF 20. REF 20 ADDED	CEM 3-16-44	[illegible]			
D		FRAMING BRACKETS DELETED IN WAY OF MISC. BULKHEADS ON 2ND DECK - TO SUIT REF 21 & 22 : REF 21 & 22 ADDED.	CEM 3-21-44				
E	2' 3'	DETAIL 2R ADDED FOR FRS. 15 & 17 TO SUIT REF NO. 23 : REF NO. 23 ADDED.	CFM 3-25-44	[illegible]	3/30/44		
F	12'	DET. "12-D" FRAMING BRKT. FOR FR. 101 PORT ONLY ADDED TO SUIT INSTALLATION OF MAIN OVERBOARD DISCHARGE.	4/10/44 RER		4-13-4		
G	6'	CHANNEL FR. 17 ALTERED TO TOE AFT FROM SHELTER DECK TO CABIN DECK TO SUIT REFERENCE NO. 24 & No. 10	F.H.R. 4-20-44		4-24-4		
H 9	1 — 5' 6' 9' 10'	FR. 96 MADE 12"x3½"x30.9# C BET. 2ND. DK. & MACHRY. FLAT. CONN. OF TRANS. BEAM UNDER MACHRY. FLAT AT FR. 106 PORT ONLY NOTED TO SEE REF. #14 DET. 9-B & 10-D ALT. TO SUIT BEAM SIZES UNDER MACHRY. FLAT ALL TO SUIT REF. #14. IN ACCORD WITH N.N. ALT. 1	4/25/44 R.E.W.	[illegible]	4/26/4		
	2 — 2' 3' 7'	DET. 2B, 3-B & 7-B REVISED TO SUIT REF. #5. IN ACCORD WITH N.N. ALT. 2					
	3 — 4' 6'	NOTES ADDED AT BRKTS. IN WAY OF I.B. AT FRS. 45 & 138. ALL TO SUIT REF. #20 IN ACCORD WITH N.N. ALT. 3					
J	8'	AT FR. 60 STBD ONLY - 18"x24" FLG. BRKT. ALT. TO 2'-0"x2'-6". ALTERNATE DET. 8-B ADDED - TO SUIT ENGR'S.	G.F.G. 6-27-44	6/27/44	6/27/4		
K	4'	SHELL FRAME SHOWN CUT. FRS. 38, 39 & 40, TO 3RD DECK, TO FACILITATE ERECTION & LAYOUT	F.H.R. 7-5-44	7/5/44	7/6/4		
L		PLAN MADE APPLICABLE TO ADDITIONAL CONTRACT BY ALTERING AKA, M.C. & N.C. HULL NO.S	J.M.K. 8-2-4		10-13-4		
M	7'	BHD AT FR. 162 ADDED FROM I.B. TO FLAT FOR HULLS 149, 150 & 187-194. TO SUIT REF. 25. REF. 25 ADDED.	10/11/4 RER		10-13-4		

REFERENCES

NO.	TITLE	C2-S-AJ1		C2-S-AJ3	
		N.N. NO.	N.C. NO.	N.N. NO.	N.C. NO.
1	HOLD STRINGERS	~~178007~~	S11-4-2	179553	179553
2	TRANS. W.T. BHD. 11 & CHAIN LOCKER	~~178011~~	S11-5-8	179557	179557
3	2ND. DK. PLTG., BEAMS, & GIRDERS	~~178026~~	S11-6-4	179570	179570
4	SHAFT ALLEY BHDS	~~178023~~	S11-5-12	179404	179404
5	SHELTER, FOCLE, & POOP DK. PLTG.	~~178035~~	S11-6-7	179574	179574
6	BOW FRAMING FORD FR 11.	~~178009~~	S11-3-4	179555	179555
7	TRANS. BHD. 170 & SHAFT ALLEY ESC. TRK	~~178020~~	S11-5-13	179565	179565
8	STERN FRAMING	~~178008~~	S11-3-6	179554	179554
9	3RD DK PLTG. BEAMS & GDRS.	~~178016~~	S11-6-6	179480	179480
10	SHELTER DK. HOUSE & CABIN DK. PLTG.	~~178039~~	S11-9-3	179575	179575
11	MAIN INJECTION SEACHESTS	~~174444~~			
12	AUX. SEA CHESTS	~~174445~~			
13	MISC BHDS BEL 3RD DK.			179427	179427
14	MACHY FLAT & FDNS. 17'-3" ABV. B FR 94-107	~~178031~~	S11-13-4	179585	179585
15	MISC. BHDS. BET 2ND & 3RD DKS.			179449	179449
16	PROTECTION FOR DEGAUSSING CABLES	~~179483~~		179704	179704
17	W.T. FLATS FR 14-20 - 15'-0" ABV B & 42-66 - 12'-0" ABV B			179423	179423
18	W.T. & O.T. FLAT FR 129-170 - 15'-0" ABV. B			179426	179426
19	TRS. W.T. BHD. # 53½ ABV. 3RD DK.			179396	179396
20	SEA CHESTS IN DIESEL FIRE PUMPROOMS			179433	179433
21	MISC. BULKHEADS ON 2ND DK. FWD. FR 80			179429	179429
22	MISC. BULKHEADS ON 2ND DK AFT FR 80			179425	179425
23	40 M/M GUN FOUNDS. & AMM TRUNKS FORD.			179598	179598
24	MISCL. VENTILATION SHT. NO. 1			179662	179662
25	FOG OIL TANK FRS. 160-162				HP0128

⑨

S.S. "Beatrice"
Baltimore Rpt
8451

NOTES:

THIS DRAWING REPLACES N N DRAWING 178006
M. C. No. 1346-511-3-6ER FOR HULLS LISTED BELOW
ALL MATERIAL WAS ORDERED ON THE ORIGINAL
PLAN EXCEPT AS MODIFIED BY ALTERATION "A".

M C HULL	N C HULL	A K A HULL	CONVERSION YARD	M C HULL	N C HULL	A K A HULL	CONVERSION YARD
1405	150			1404	149		
1403	148			1402	147		
1401	146			1400	145		
1399	144			1398	143		
1397	142			1396	141		
1395	140			1394	139		
1393	138			1392	137		
1391	136			1390	135		
1389	134			1388	133		
1387	132			1386	131		
1385	130			1384	129		
1383	128			1382	127		

DESIGN No. C2-S-AJ 3

CONVERSION OF C2-S-AJ 1

UNITED STATES MARITIME COMMISSION

M. C. HULL Nos. ~~1382 TO 1405~~ 1836 TO 1703 M. C. DWG. No.

NAVY DEPARTMENT

A. K. A. HULL Nos. 64 - 87 & 101-108

DESIGNED BY

NEWPORT NEWS SHIPBUILDING & DRY DOCK COMPANY
NEWPORT NEWS, VIRGINIA
HULL DEPARTMENT

SCALE ½" = 1 FT.
DATE SCHED.
DATE COMP. 2-10-44
DRAWN Philip H. Clark
EXAMINED R. W. Davis
CHECKED C. W. HACKER
APPROVED J. P. Comstock
CHARGEMAN
DATE Feb. 11, 1944

N N JOB ORDER 644-V

N. N. DRAWING No. - 179552

NORTH CAROLINA SHIPBUILDING COMPANY
WILMINGTON, N. C.
BUILDERS

N. C. HULL Nos. ~~127 TO 150~~ 187-194 N. C. DWG. No. 179552

CONVERSION YARD

DWG. TITLE

FRAMING DIAGRAM & DETAILS

APPROVED AS NOTED IN

M. C. LET.
M. C. FILE
BY
BY
A. B. S. LET.

LLOYD'S REGISTER OF SHIPPING
17 BATTERY PLACE
NEW YORK
N. Y.
wtd

U. S. COAST GUARD

APPROVED

PLAN

EXAMINED AND FOUND CORRECT

SUPERVISOR OF SHIPBUILDING

DATE

DATE 2-11-44
E L Gaughan
FOR SUPERVISOR OF SHIPBUILDING

BUREAU OF SHIPS PLAN NUMBER (BASIC)
AKA 64 - S 1103-507017

GROUP NUMBER	DESCRIPTION	FRAMES		
S11-20-C	FLOORS AT INNER BOTTOM	50½	TO	62½
S11-21-C	" " " "	37½	TO	50½
S11-24-C	" " " "	146½	TO	157½
S11-26-C	" " " "	11½	TO	24½
S11-49-	WEB FRAMES INNER BOTTOM	22, 47, & 60		
S11-60-A1	FRAMING BRACKETS I.B. TO 3RD DK.	62½	TO	122½
S11-60-A2	SHELL FRAMING " " " "	"	"	"
S11-60-B1	FRAMING BRACKETS 3RD DK. TO 2ND DK.	"	"	"
S11-60-B2	SHELL FRAMING " " " "	"	"	"
S11-60-C1	FRAMING BRACKETS 2ND DK. TO SHLTR. DK.	"	"	"
S11-60-C2	SHELL FRAMING " " " "	"	"	"
S11-60-D2	" " SHELTER DK. TO CABIN DK.	83½	TO	125
S11-61-A1	FRAMING BRACKETS I.B. TO 3RD DK.	24½	"	62½
S11-61-A2	SHELL FRAMING " " " "	"	"	"
S11-61-B1	FRAMING BRACKETS 3RD DK. TO 2ND DK.	"	"	"
S11-61-B2	SHELL FRAMING " " "	"	"	"
S11-62-A1	FRAMING BRACKETS I.B. TO 3RD DK.	11½	TO	24½
S11-62-B1	" " 3RD DK TO 2ND DK.	"	"	"
S11-62-B2	SHELL FRAMING " " " " "	"	"	"
S11-63-A1	FRAMING BRACKETS I.B. TO 3RD DK.	122½	TO	140½
S11-63-A2	SHELL FRAMING " " " "	"	"	"
S11-63-B1	FRAMING BRACKETS 3RD DK. TO 2ND DK.	"	"	"
S11-63-B2	SHELL FRAMING " " "	"	"	"
S11-64-A1	FRAMING BRACKETS I.B. TO 3RD DK.	140½	"	157½
S11-64-A2	SHELL FRAMING " " " "	"	"	"
S11-64-B1	FRAMING BRACKETS 3RD DK TO 2ND DK.	"	"	"
S11-64-B2	SHELL FRAMING " " " "	"	"	"
S11-65-A1	FRAMING BRACKETS I.B. TO 3RD DK.	157½	TO	169½
S11-65-A2	SHELL FRAMING " " " "	"	"	"
S11-65-B1	FRAMING BRACKETS 3RD DK TO 2ND DK.	"	"	"
S11-65-B2	SHELL FRAMING " " " " "	"	"	"
S11-77-A	FRAMING BRACKETS 2ND DK. TO SHLTR. DK.	122½	TO	146½
S11-77-B	SHELL FRAMING " " " "	"	"	"
S11-78-A	FRAMING BRACKETS " " " "	146½	TO	169½
S11-78-B	SHELL FRAMING " " " "	"	"	"
S11-79-A	FRAMING BRACKETS " " " "	37½	TO	62½
S11-79-B	SHELL FRAMING " " " "	"	"	"
S11-80-A	FRAMING BRACKETS " " " "	11½	TO	37½
S11-80-B	SHELL FRAMING " " " "	"	"	"
S11-81-A	WEB FRAMES I.B. TO W.T. FLAT	148, 154		
S11-81-B	" " W.T. FLAT TO 3RD DK.	" "		
S11-96	CHAIN LOCKER	11, 12, 13 & 14		
S11-243	MSCL. BHD.S BELOW 3RD DK.			
S11-247	WEB FRAMES 3RD DK. TO 2ND DK.	148, 154 & 160		

(31)

ORDER DEPARTMENT

YARD PRINTS & ORDERS
BILLS & ORDERS
PRINTS
REMARKS
DATE
SIGNED

2.2.44 CB.JSB HE AHP TS ML 2/25/44 HE 2AH AHP 4ML 4FN TS WE 4FS PD	ABS 30S RH EH 3Sol 3/15/44 2EH 3/20/44 [illegible] 4ML 4FN 4FS TS WE	PD ABS 30S RH EH 4SW HE 3AH AHP 4/5/44 7 Martin 4/13/44 HE 3AH AHP	4ML 4FN 4FS TS WE PD ABS 30S RH EH 3SW	4/29/44 4ML 4FN 4FS TS WE PD ABS 30S RH EH 4SW HE 3AH RH	6/29 HE 2AH AHP 4ML 4FN 4FS TS WE PD ABS 30S RH EH 4SW	7/6/44 HE 2AH AHP 4ML 4FN 4FS TS WE PD ABS 30S RH EH 4SW MAIL NY	7/7/44 4FN 10/1/44 HE 2AH AHP 4ML 4FN 4FS TS WE PD ABS 30S RH EH 4SW NN NY		

GROUP:

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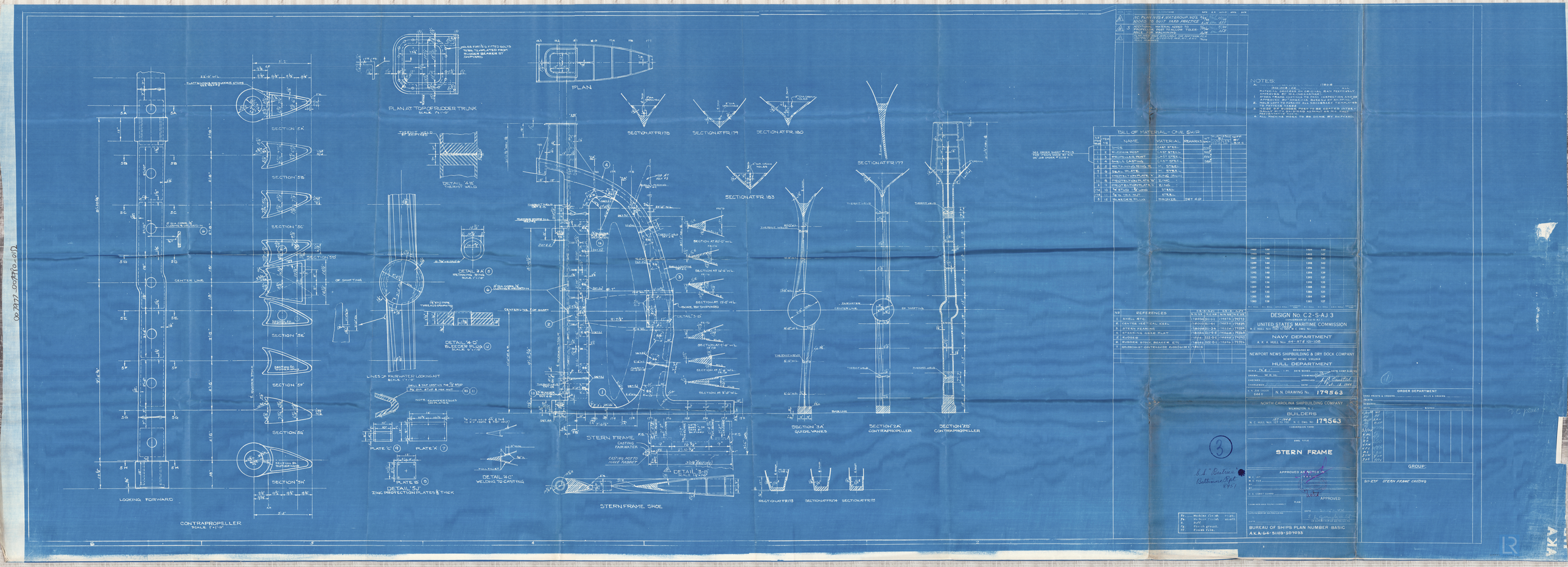

NO.	REVISIONS	BY	APP.	DATE
4	PC PLASTIGLAS PATTERSHOP NOS. 3999, 4000 & 4001 ADDED TO SUIT MAR. PRACTICE	J.K.		7/7/54
3	ADDITIONAL MATERIAL ADDED TO ALLOW FOR MACHINING FOLLOWING WELDING	J.K.		5/24/54
2	ALL DIMENSIONS ARE APPROXIMATE FOR PATTERN PLAN ONLY. FINISHED MACHINED DIMENSIONS TO BE SHOWN ON MACHINE SHOP PLANS	J.K.		3/1/54
1				

BILL OF MATERIAL - ONE SHIP

NO. ITEMS PER SHIP	NO.	NAME	MATERIAL	REMARKS	WT. PER UNIT LBS.	WT. PER SHIP LBS.
1	1	SHOE	CAST STEEL		9600	
1	2	RUDDON POST	CAST STEEL		7200	
1	3	PROPELLER POST	CAST STEEL		7200	
1	4	SHELL CASTING	CAST STEEL		1800	
3	5	WELDING STRIPS	CAST STEEL			
1	6	SEAL PLATE	CAST STEEL			
1	7	PROTECTION PLATE 'A'	ZINC			
1	8	PROTECTION PLATE 'B'	ZINC			
1	9	PROTECTION PLATE 'C'	ZINC			
14	10	1¼" STUD & NUT	STEEL			
174	11	¾" DIA. RIVET	STEEL			
3	12	BLEEDER PLUG	BRONZE	DET 4-D		

NO.	REFERENCES	NAVSHIPS STOCK NO.	NAVSHIPS DRAWING NO.
1	SHELL ETC.	780308(31)-111	179573
2	CENTER VERTICAL KEEL	780308(31)-6	179579
3	STERN FRAMING	780308(31)-34	179584
4	STEADYING GEAR PLAT.	780308(31)-69	179568
5	RUDDER	780308 322-04	179592
6	RUDDER STOCK, BRACES ETC.	780308 322-01	179591
7	GRADING OF CONTAINER FOR ITEMS	78310	

NOTES:

A. ALL CASTINGS TO BE MADE OF MATERIAL MEETING THE REQUIREMENTS OF SPECIFICATION 78008 (31)-1 (A).

1. ALL CASTINGS TO BE MADE IN ORIGINAL PATTERNS OF APPROVED DESIGN.
2. ALL CASTINGS TO BE SUBJECTED TO RADIOGRAPHIC AND MAGNETIC INSPECTION AND/OR ULTRASONIC INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
3. ALL CASTINGS TO BE SUBJECTED TO HYDROSTATIC TEST AS REQUIRED BY SPECIFICATION.
4. ALL CASTINGS TO BE SUBJECTED TO MAGNETIC PARTICLE INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
5. ALL CASTINGS TO BE SUBJECTED TO ULTRASONIC INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
6. ALL CASTINGS TO BE SUBJECTED TO RADIOGRAPHIC INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
7. ALL CASTINGS TO BE SUBJECTED TO MAGNETIC PARTICLE INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
8. ALL CASTINGS TO BE SUBJECTED TO ULTRASONIC INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
9. ALL CASTINGS TO BE SUBJECTED TO RADIOGRAPHIC INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
10. ALL CASTINGS TO BE SUBJECTED TO MAGNETIC PARTICLE INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
11. ALL CASTINGS TO BE SUBJECTED TO ULTRASONIC INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
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13. ALL CASTINGS TO BE SUBJECTED TO MAGNETIC PARTICLE INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
14. ALL CASTINGS TO BE SUBJECTED TO ULTRASONIC INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
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16. ALL CASTINGS TO BE SUBJECTED TO MAGNETIC PARTICLE INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
17. ALL CASTINGS TO BE SUBJECTED TO ULTRASONIC INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
18. ALL CASTINGS TO BE SUBJECTED TO RADIOGRAPHIC INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
19. ALL CASTINGS TO BE SUBJECTED TO MAGNETIC PARTICLE INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.
20. ALL CASTINGS TO BE SUBJECTED TO ULTRASONIC INSPECTION AS DIRECTED BY REPRESENTATIVE OF THE BUREAU OF SHIPS.

1900	150	1600	140
1901	149	1601	139
1902	148	1602	138
1903	147	1603	137
1904	146	1604	136
1905	145	1605	135
1906	144	1606	134
1907	143	1607	133
1908	142	1608	132
1909	141	1609	131
1910	140	1610	130
1911	139	1611	129
1912	138	1612	128
1913	137	1613	127

DESIGN No. C2-S-AJ 3
CONSTRUCTED FOR
UNITED STATES MARITIME COMMISSION
W.C. SHIP No. 1901 N.C. SHIP No.
NAVY DEPARTMENT
A. & A. HULL No. 64-AT# 101-105
CONSTRUCTED BY
NEWPORT NEWS SHIPBUILDING & DRY DOCK COMPANY
NEWPORT NEWS, VIRGINIA
HULL DEPARTMENT
SCALE 1"=1'-0" 1 PT. DATE SIGNED 7/7/54
DRAWN M.B.N. EXAMINED
CHECKED APPROVED
CHARGE NO. DATE
N.N. JOB ORDER NO. 644 V
N.N. DRAWING No. 179563
NORTH CAROLINA SHIPBUILDING COMPANY
WILMINGTON, N.C.
BUILDERS
N.C. HULL No. 157-158 N.C. Ship No. 179563
CONVERSION YARD
DWG. TITLE
STERN FRAME
APPROVED AS NOTED ON
M.C. V.C.
M.C. FOR
M.C.
U.S. COAST GUARD APPROVED
PLAN
CLASSIFICATION AND FOUND CORRECT
DATE
CERTIFICATE OF REGISTRY No.
DATE
BUREAU OF SHIPS PLAN NUMBER BASIC
AKA G4-S1103-507033

ORDER DEPARTMENT
SEND PRINTS & ORDERS TO BILLS & ORDERS TO
REMARKS
DATE BUILDER

7/7/54	MT	7/7/54	MT
7/7/54	MT	7/7/54	MT
7/7/54	MT	7/7/54	MT
7/7/54	MT	7/7/54	MT
7/7/54	MT	7/7/54	MT
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7/7/54	MT	7/7/54	MT
7/7/54	MT	7/7/54	MT
7/7/54	MT	7/7/54	MT

GROUP:
SII-27 STERN FRAME CASTING

Pf... Machine finish all over.
Pc... Machine finish all over.
Pg... Finish grind.
Ff... Finish file.

S. S. Beatrice Baltimore Dpt. 8751

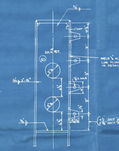
(3)

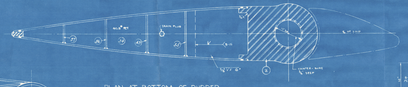
(4)

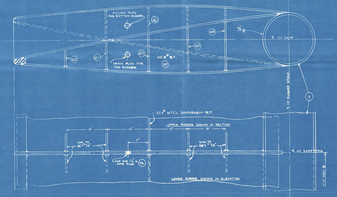
(1)

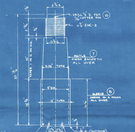
(2)

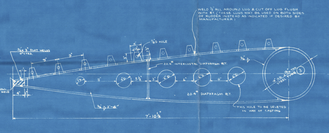
USCG 2277-0047A-0.0

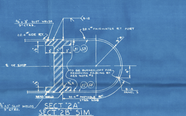


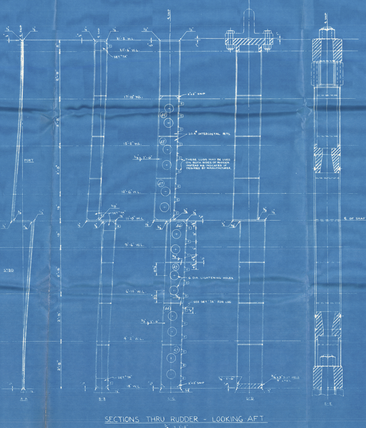


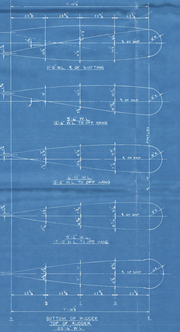


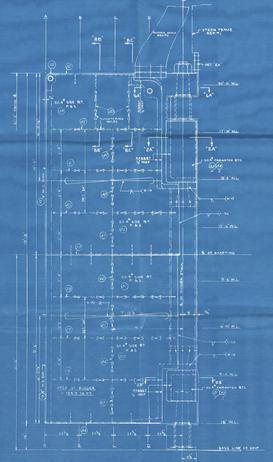












NO.	REVISIONS	BY	DATE	APP'D
1	NO PLAN NOS. P-GROUP NOS. ADDED TO SUIT BASIS PRACTICE			
2	PLAN NOS. REVISED TO SUIT BASIS PRACTICE			

BILL OF MATERIAL - ONE SHIP

ITEM NO.	QUAN. PER SHIP	NAME	MATERIAL	REMARKS	WT.
1	1	UPPER RUDDER FRAME	CAST STEEL		
2	1	LOWER RUDDER FRAME	CAST STEEL		
3	1	STEEL TUBE	STEEL		
4	1	GUDGEON BUSHING	STEEL CASTING		
5	1	PINTLE NUT	STEEL		
6	1	PINTLE	STEEL		
7	1	PINTLE SLEEVE	CAST STEEL		
8	1	PINTLE KEY	STEEL		
9	1	RUDDER PIN	BRONZE		
10	1	RUDDER PIN	BRONZE		
11	1	GUDGEON BUSHING	CAST STEEL		
12	16	RUDDER LIFTING STOP	STEEL		
13	16	STOP BOLT NUTS	BRONZE		
14	16	STOP BOLT NUTS	STEEL		
15	16	STOP BOLT NUTS	BRONZE		
16	16	STOP BOLTS	STEEL		
17	1	STEEL BAR (LONG SLEEVE)	ST. STEEL		
18	1	STEEL BAR (SHORT SLEEVE)	ST. STEEL		
19	16	STEEL	STEEL		
20	1	RUDDER PLATES	CAST STEEL		
21	1	STEEL BAR (SHORT SLEEVE)	ST. STEEL		
22	1	STEEL BAR (SHORT SLEEVE)	ST. STEEL		

NOTE: ITEMS MARKED * TO BE FURNISHED BY BUILDER

NUMBER	REFERENCES	SIZE OF SHEETS
1	SYSTEM PLANS	11"x17"
2	MISCELLANEOUS SYSTEMS SHOPPING PLANS	11"x17"

NOTES:
A. ALL WELDING SHALL BE IN ACCORDANCE WITH THE RULES FOR WELDING OF THE AMERICAN BUREAU OF SHIPPING.
B. ALL WELDING SHALL BE DONE BY WELDERS QUALIFIED BY THE AMERICAN BUREAU OF SHIPPING.
C. ALL WELDING SHALL BE INSPECTED BY AN INSPECTOR APPROVED BY THE AMERICAN BUREAU OF SHIPPING.
D. ALL WELDS SHALL BE MADE BY MANUAL ARC WELDING PROCESS.
E. ALL WELDS SHALL BE CONTINUOUS AND SHALL BE FREE FROM CRACKS, UNDERCUTTING, OVERLAPPING, POROSITY, SLAG INCLUSIONS, AND OTHER DEFECTS.
F. ALL WELDS SHALL BE MADE IN ACCORDANCE WITH THE WELDING PROCEDURE SPECIFICATIONS.

1003	126	1060	187
1004	126	1061	187
1005	126	1062	187
1006	126	1063	187
1007	126	1064	187
1008	126	1065	187
1009	126	1066	187
1010	126	1067	187
1011	126	1068	187
1012	126	1069	187
1013	126	1070	187

DESIGN No. C2-S-AJ 3
NEWPORT NEWS SHIPBUILDING & DRY DOCK COMPANY
UNITED STATES MARITIME COMMISSION
C. NOS. MC-30 TO MC-41 INCL.
NAVY DEPARTMENT
A. B. A. HULL No. 0-5-47 & MC-1001 TO MC-1004 INCL.

BUILDER
NEWPORT NEWS SHIPBUILDING & DRY DOCK COMPANY
NEWPORT NEWS, VIRGINIA
HULL DEPARTMENT

DATE OF CONTRACT: 1-15-43
DATE KEEL LAID: 1-15-43
DATE DELIVERED: 1-15-43
CONTRACT No. NOBS-1001

DATE OF: N.N. DRAWING No. 179585

NORTH CAROLINA SHIPBUILDING COMPANY
WILMINGTON, N. C.
BUILDERS

C. NOS. MC-30 TO MC-41 INCL. & Hull No. 179595
CONTRACT No. NOBS-1001

RUDDER
DWG. TITLE

APPROVED AS NOTED ON
DATE
U.S.M.C.
BY
U.S.N.
U.S. COAST GUARD

APPROVED
DATE
BUREAU OF SHIPS

BUREAU OF SHIPS PLAN NUMBER BASIC
AAA-44-SE2-001-801070

ORDER DEPARTMENT
DATE RECEIVED & ENTERED
DATE WANTED
DATE COMPLETED
GROUP
ITEM OF RUDDER

8 7 6 5 4 3 2 1